, Index of Claims

| Application No.  | Applicant(s)     |  |
|------------------|------------------|--|
| 09/625,769       | IIJIMA, CHIYOAKI |  |
| Examiner         | Art Unit         |  |
| Andrew Schechter | 2871             |  |

Rej cted Allowed

(Through numeral)
Cancelled Restricted

N n-Elected N į Interference

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| CI   | aim          | Date     |          |          |              |          |                 |                | ] .      | Cla        | Date           |            |                 |          |          |              |                |          |           | <b>]</b> : . | CI       | aim        | Date         |            |          |  |          |              |              |               |              |          |          |
|--|--------------|----------|----------|----------|--------------|----------|-----------------|----------------|----------|------------|----------------|------------|-----------------|----------|----------|--------------|----------------|----------|-----------|--------------|----------|------------|--------------|------------|----------|--|----------|--------------|--------------|---------------|--------------|----------|----------|
|  | 76           |          |          |          |              |          |                 |                | ] :      |            |                | Т          | Π               | П        |          | Т            | П              | Π        |           | Γ            | 1        |            |              |            |          | - Cate                                 |          |              |              |               |              |          |          |
| Final  | Original     | 6/15/04  |          |          |              |          |                 |                | l        |            | 펼              | Original   |                 |          | ı        |              | 1              |          |           |              |          |            | <u>5</u>     | Original   | 1        |  |          |              | 1            | 1             |              | 1        |          |
| 這  | l ë          | =        | - 1      |          | -            |          |                 | 1              | 1        |            | Final          | <u>.</u> E | 1               | 1        | 1        |              |                | 1        |           |              |          | -          | Final        | ē          | 1        |  |          | 1            | 1            | 1             | 1            | l        |          |
| 1  | 0            | ۱۳۱      | - 1      |          |              |          |                 |                |          | '          | _              | 0          |                 |          | 1        |              | l              | l        | ĺ         | 1            | J        |            | _            | Ō          | 1        |  | 1        |              |              | 1             | 1            | ŀ        |          |
| 1  | 0.1          | =        | $\neg$   | $\top$   | ┪            | $\top$   | 1               | ┢              |          | 1 :        | _              | 51         | 1               | ╁        | ╁        | $\vdash$     | 十              | ┢        | ┢         |              | 1-       | 1          | <del> </del> | 101        | ╀╴       | ┼-                                     | ┼-       | ┿            | ╀            | ╁             | ⊢            | ⊢        | ╀        |
| 2  | 12           | =        | $\dashv$ | 1        | ╈            | 1        | 1-              | 1              | ╁        | 1.         | _              | 52         | ┿               | ┪        | ├-       | $\vdash$     | +              | ⊢        | $\vdash$  | $\vdash$     | ⊢        |            | ├            | 102        | ╀╌       | ╄                                      | ⊢        | ╄            | ╀            | ╀╌            | <del> </del> | ├        | ⊢        |
| 3  | 13           | =        | 十        | +        | ╈            | +-       | ╅               | 1              | $\vdash$ | 1          | _              | 53         | +               | ┰        | ⊢        | 1-           | ┢              | ┢        | ⊢         | $\vdash$     | H        |            | <del> </del> | 103        | ╁╌       | ┿                                      | ⊢        | +-           | ┾            | <del> </del>  | ⊢            | ⊢        | ⊢        |
| 4  | 4            | =        | $\top$   | +        | ╈            | +        | +-              | $\vdash$       | ├-       | 1          |                | 54         | ┰               | ╁        | ⊢        | ╁╾           | ├-             | ⊢        | $\vdash$  | $\vdash$     | -        | X          |              | 103        | ╀        | ╄                                      | ⊢        | ╀            | ├            | ⊢             | ١.,          | <b> </b> | ⊢        |
| <u> </u>   | 5            | $\vdash$ | $\dashv$ | ╅        | ╅            | +        | +               | ╁              | ├-       | 1          | <del> </del>   | 55         | +-              | ┢        | -        | -            | ├              | ⊢        | $\vdash$  | Н            | ⊢        |            | <u> </u>     | 105        | ╄        | ╄                                      | ▙        | ╀            | ╄            | ┞             |              | <u> </u> | ⊢        |
| 5  | 6            | =        | -        | ╅        | +-           | +        | +-              | ┢              | ⊢        | 1 -        | ┝              | 56         | ╁               |          | -        | ├-           | -              | ├        | ├-        | $\vdash$     | ⊢        | 1          |              | 105        | ┾        | ┼-                                     | ļ        | ╀            | ⊢            | <del> </del>  | L            | <u> </u> | <b>!</b> |
| 6  | 17           | =        | +        | ╅        | ╁            | +-       | ┰               | ╁              | ┝        | 1          | ├─             | 57         | ╀               |          | -        | ├-           | ┢              | -        | ⊢         |              | -        |            | <u> </u>     | 106        | ╀        | ├                                      | ┡        | ╀            |              | ┞             | -            | L        | ╙        |
| 8  | l.8          | =        | -+       | +        | ┿            | ╁        | ╁╌              | ├-             | -        | 1          | ├─             | 58         | 1               | -        | ⊢        | ⊢            | ⊢              | -        | -         | $\vdash$     | ├        | ١          |              | 107<br>108 | ╂        | -                                      | ⊢        | ╁            | ⊢            | <b>!</b>      |              | L        | <u> </u> |
| 7  | 19           | =        | +        | ╅        | +-           | +-       | +-              | ⊢              | ⊢        |            | ├──            | 59         | 1-              | -        | ⊢        | ┢            | ┥              | -        | _         | -            | ├        | ŧ., .      | _            | 108        | ⊢        | ⊢                                      | ├-       | <del> </del> | ┞            | ļ_            |              |          | ⊢        |
| 10   | 10           | ┋        | +        | +-       | +-           | +        | ╁─              | ⊢              | ⊢        |            | <del></del>    | 60         | ┼-              | ├        | -        | <del> </del> | ⊢              | -        | ⊢         |              |          |            |              | 109        | ╄        | ₩                                      | ┞-       | ╀            | L            | ┞             |              |          | ᆫ        |
| 9  | 1            | =        | +        | +        | ╫            | +        | ╁╌              | ├              | ⊢        | 1          | ├              | 61         | ⊢               | -        | H        | ⊢            | ⊢              | _        | <b>-</b>  |              | -        |            |              | 110        | ┞        | -                                      | ┞-       | ╄            | <b>—</b>     | <b> </b> _    |              | Щ        | <u> </u> |
| 1  | 1/2          | -        |          | +        | +            | +        | +               | -              | $\vdash$ |            | -              |            |                 | -        | H        | $\vdash$     | <del>  -</del> |          | _         | Н            | L        | 80         |              | 111        | ↓_       | <b> </b>                               | L        | ╀            | <u> </u>     | ╙             | Ш            |          | L        |
| -  | 3            | $\dashv$ | -        | ┿        | +            | +        | +               | -              | $\vdash$ |            | ⊢—             | 62         | <del> </del>    | $\vdash$ | <u> </u> | <del> </del> | $\vdash$       | H        | <u> </u>  | Ш            | $\vdash$ |            |              | 112        | <b>!</b> | Ļ                                      | L        | 1            | L            | _             | Ш            | Ш        | _        |
| -  |              | -        | +        | +        | ╫            | ╀        | -               | <del>  -</del> | <b>!</b> | 1          |                | 63         | -               | Н        | Щ        | ┡            | ⊢              | Щ        | _         | Ш            | _        |            |              | 113        | <u> </u> | ļ                                      | _        | _            | $oxed{oxed}$ | _             |              | L        | L        |
| -  | 14           | $\dashv$ | - -      | +        | +            | +        | ₩               | ├-             | -        |            | <u> </u>       | 64         | $\vdash$        | Ш        | <u> </u> | <u> </u>     | _              | Щ        | _         | $\sqcup$     | L        |            |              | 114        | <u></u>  | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | L        | L            | L            | $\Box$        |              |          |          |
| 1  | 15           | -1       |          | +        | +-           | +        | -               |                | ├        |            | <u> </u>       | 65         | <b>—</b>        | $\sqcup$ | Ш        | <b>—</b>     | <b>L</b>       | <u> </u> | _         | Ш            | <u>_</u> |            |              | 115        | _        |  | L        | 厂            | 匚            | 匚             |              |          |          |
| 11   | 16           | =        |          | +        | +            | +        | +               | -              | <u> </u> |            | <u> </u>       | 66         | ļ.,             | Ш        |          | Щ.           | _              | Щ        | _         | Ц            | L        |            |              | 116        | _        | _                                      | L        |              |              |               |              |          | Ĺ        |
| 12   | 17           | -        | +        | ┿        | ╀            | ┿        | ↓_              | <u> </u>       | <u> </u> |            |                | 67         | <u> </u>        | Ш        |          | _            | _              |          | _         | Ш            | _        |            |              | 117        |          |  |          | L            |              |               |              |          |          |
| 12   | 18           | =        | -        | ╀        | ╄            | 1        | 1               | <u> </u>       | ᆫ        |            |                | 68         | _               | Ш        | Щ        | Ц            | L              |          |           | Ш            |          | 3.         |              | 118        |          |  |          |              |              |               |              |          |          |
| 13   | <b>V</b> 19  | =        | 4        | _        | <del> </del> | 1_       |                 |                | _        |            |                | 69         |                 | Ш        |          |              |                |          |           |              |          |            |              | 119        |          |  | Г        | П            |              |               | П            |          |          |
| 14   | 20           | =        | 4        | 4        | 1_           | _        | _               |                | Ш        |            |                | 70         | Ш               | Ш        |          |              |                |          |           |              |          |            |              | 120        |          |  |          |              | Г            |               | П            |          |          |
| 15   | 21           | =        | 4        | ┸        | _            | _        | _               | L.,            |          |            |                | 71         |                 | Ш        |          |              |                |          |           |              |          | : .<br>: . |              | 121        |          |  | Г        | Π            | П            | П             | П            |          |          |
| 16   | 22           | =        |          | ┸        | ┸            | 1        |                 |                |          |            |                | 72         |                 | Ш        |          |              |                |          |           |              |          |            |              | 122        |          |  |          |              | Г            |               |              |          | П        |
| 17   | 23           | =        |          | $\perp$  | ┸            | _        |                 |                |          | -          |                | 73         |                 |          |          |              |                |          |           |              |          |            |              | 123        |          |  | _        | 1            |              |               | $\Box$       |          |          |
| 18   | 24           | =        |          | $\perp$  |              | L        |                 |                |          |            |                | 74         |                 |          |          |              |                |          |           |              |          |            |              | 124        |          |  |          | Т            |              | $\overline{}$ |              |          |          |
|  | ( <u>2</u> ) |          |          |          |              |          |                 |                |          |            |                | 75         |                 |          |          |              |                |          |           |              |          |            |              | 125        |          | П                                      |          | ┢            | _            |               |              |          | $\neg$   |
|  | 26           |          |          |          | Г            |          |                 |                |          |            |                | 76         |                 |          |          |              |                |          | •         |              |          |            |              | 126        | -        |  | _        | $\vdash$     |              | Н             | $\vdash$     | $\dashv$ | $\dashv$ |
|  | 27           |          |          |          | Ι            | $\Gamma$ | $\prod$         |                |          |            |                | 77         |                 |          |          |              |                |          |           |              |          |            |              | 127        |          | П                                      |          | 1            |              |               | Н            | ⊣        | $\neg$   |
|  | 28           |          | $\perp$  | $\perp$  | Т            | Т        |                 |                |          |            |                | 78         |                 |          |          |              |                |          | _         | $\Box$       |          | -          | $\neg \neg$  | 128        | _        | Н                                      | $\vdash$ | <del> </del> | $\vdash$     |               | Н            | $\dashv$ | -        |
|  | 29           |          |          | Т        | Г            | 1        |                 |                |          |            |                | 79         |                 |          |          |              |                |          |           |              |          | ÷ [        |              | 129        |          | H                                      |          | ├            |              | Н             |              | ┪        | $\dashv$ |
|  | (30)         | $\neg$   | Т        | 7        | Т            |          |                 |                |          | •          |                | 80         |                 |          |          |              | $\Box$         |          |           |              |          |            |              | 130        |          | Н                                      | -        | -            | Н            |               | $\vdash$     |          | $\dashv$ |
|  | 31           | $\neg$   |          | 1        | Τ            | 1        |                 |                |          |            |                | 81         | П               |          | $\neg$   |              | $\neg$         |          | _         |              |          | <b>i</b>   | $\neg$       | 131        | -        | $\vdash$                               | -        | ╁            |              | Н             | $\dashv$     | -        | $\dashv$ |
|  | 32           | $\neg$   |          | 1        | Т            | T        |                 |                |          |            |                | 82         | Н               |          | $\neg$   |              | $\dashv$       | 寸        | _         | 1            |          | ن<br>ار    |              | 132        | -        | Н                                      | _        | -            |              | $\vdash$      | $\dashv$     | -1       | ⊣        |
|  | 33           | $\neg$   | _        | 1        | T            | Т        | П               |                |          |            |                | 83         | Н               |          | ┪        | ┪            |                | -        | $\exists$ |              | _        | 1          |              | 133        | Н        | Н                                      |          | ᡛ            |              | Н             |              | {        | $\dashv$ |
|  | 34           | $\neg$   | $\neg$   | 1        | 1            | 1        | П               | $\Box$         |          |            |                | 84         | H               | $\dashv$ | $\dashv$ |              | $\dashv$       | -1       | -         | +            | -        | ł          |              | 134        | Н        | $\vdash$                               | _        | -            | $\dashv$     | H             | -            | {        | $\dashv$ |
|  | 35           | 7        |          | Т        | Т            | T        | П               |                |          |            |                | 85         | Н               | $\neg$   | 7        |              | $\dashv$       | $\dashv$ | -         | 一            | $\dashv$ | : F        | -            | 135        | H        | $\vdash$                               | _        | -            | Н            | Н             |              |          |          |
|  | 36           | 7        |          | 十        | 1-           |          | Н               | _              | $\neg$   | ı          | _              | 86         | Н               | -        | 一        | -            | $\dashv$       | $\dashv$ | $\dashv$  | $\dashv$     | $\dashv$ | ·ŀ         | {            | 136        | H        | $\vdash$                               | -        | -            | $\vdash$     | $\dashv$      | -+           |          | 긕        |
|  | 37           | 7        | $\dashv$ | T        | T            |          | Η               |                | $\neg$   | ł          | $\neg$         | 87         | H               | -        | -        | $\dashv$     | -              | +        |           | $\dashv$     | $\dashv$ | . }        |              | 137        | Н        | $\vdash$                               | _        | -            | Н            | -             | -            |          |          |
| $\Box$   | 38           | $\dashv$ | _        | 十        | T            | 1        | $\vdash$        |                | -        | · ł        |                | 88         | $\vdash$        | -        | -        | -            | ᅱ              | -        | -         | -            | -        | _,}        |              | 138        | $\vdash$ | $\vdash$                               |          | Η.           |              |               | -            |          |          |
| $\vdash$   | 39           | +        |          | +        | +            | 1        | Н               | -              | -        |            | -              | 89         | $\vdash \dashv$ |          |          | $\dashv$     |                | -        |           | $\dashv$     | ⊣        | - 1        |              |            | Н        | $\dashv$                               | _        | _            | -            | _             | -4           | _        | _        |
| $\vdash$   | 40           | $\dashv$ | +        | +-       | +            | 1        | ┥               | ┪              | -        | }          |                | 90         | $\vdash$        | -+       | -        |              | -              | -+       | -         | $\dashv$     |          | - }        |              | 139        |          | $\dashv$                               |          | -            | _            | _             |              | _        | ᆚ        |
| $\vdash \vdash$                                  | 41           | +        | +        | ╁        | +-           | $\vdash$ | $\vdash \vdash$ | ┪              | $\dashv$ | -          | <del>-  </del> | 91         | $\vdash$        | +        | $\dashv$ | -            |                | -+       | $\dashv$  | $\dashv$     |          |            |              | 140        | $\sqcup$ |  | _        | L.,          | $\dashv$     | _             | 4            | -1       | _        |
| $\vdash \vdash$                                  | 42           | +        | +        | +        | ╁            | $\vdash$ | H               |                |          | - }        |                | 92         | $\dashv$        | +        | -+       | -            |                | -        |           | -            | -        | 1          |              | 141        | $\dashv$ | $\dashv$                               |          | Щ            | _            | _             | _            | _        | ᆜ        |
| $\vdash$   | 43           | $\dashv$ | +        | +        | +-           | $\vdash$ | ⊢┤              |                | $\dashv$ | · }        |                | 93         | $\dashv$        | -+       | -        |              | $\dashv$       |          | 4         | +            | $\dashv$ | · .        |              | 142        | $\dashv$ | $\dashv$                               | _        | Щ            | _            | _             | 4            |          | $\dashv$ |
| $\vdash$   | 44           | +        | +        | ╆        | +-           | $\vdash$ | $\vdash$        | $\dashv$       | $\dashv$ | ٠,         |                | 94         |                 |          | -        |              |                | $\dashv$ | -         | -            | ᅴ        | -          |              | 143        | _        | _                                      |          | Ш            | _            | _             | 4            | _        | ᆚ        |
| $\vdash \vdash \vdash$                           | 45           | +        | +        | +        | +-           | Н        | $\vdash$        | -              | 긕        | ŀ          |                | 95         |                 | -+       | +        | -            | -              | -+       | -         | +            |          | -          | -            | 144        |          | $\dashv$                               | _        | Ш            | _            | 4             | _            | 4        | _        |
| $\vdash \vdash$                                  | 46           | -+-      | +        | +        | $\vdash$     | Н        | $\vdash$        | +              |          | -          |                |            |                 |          | -+       |              | $\dashv$       | -+       | -         | $\dashv$     | _        | -          |              | 145        | _        | _                                      | _        | Ш            | _            | _             | 4            | _        | 凵        |
| ├──┤   | 47           | +        | +        | ╫        | -            | $\vdash$ | $\vdash$        | -              | -1       |            |                | 96         | -               | -        | -1       | 4            |                | -        | _         | 4            | _        | -          | $\dashv$     | 146        |          | ↲                                      | _        | Щ            |              | _             | _            | _        | ╝        |
| <del>                                     </del> | 48           | +        | +-       | +        | 1            | Н        | $\vdash$        | -              | $\dashv$ | , <b> </b> |                | 97         |                 | $\dashv$ | -        | -+           |                | $\dashv$ | -         | -            | 4        | Ļ          |              | 147        |          | _                                      | _        |              | _            |               | _            |          | _]       |
| $\vdash$   | 49           | +        | +-       | $\vdash$ | -            | ⊢┥       | $\dashv$        |                | -1       | -          |                | 98         | _               | 4        | 4        | 4            | _              | 4        | _         | $\dashv$     | _        | ·          |              | 148        |          | _                                      | ╛        |              | $\perp$      | 丄             | $\perp$      |          | ╝        |
| $\vdash \vdash \vdash$                           | 50           | +        | +        | $\vdash$ | -            | $\vdash$ | $\dashv$        | -              | -1       | -          | $\dashv$       | 99         | -               | -        | 4        |              | 4              | 4        | 4         | 4            | 4        | L          |              | 149        | ļ        |  |          |              |              |               | $\Box$       | $\perp$  | J        |
| Щ.   | 30           |          |          | Ц.       |              | ш        |                 | _Ł             | لــا     | L          |                | 100        |                 |          | _1       |              |                |          |           |              |          | ٠L         |              | 150        |          |  | [        | Щ            |              |               | $\perp$      |          | ┚        |